

CLAIMS

What is claimed is:

1. A method, comprising the steps of:
 - 2 a) recording locations of pixels modified in a digital image by a digital image adjustment;
 - 4 b) recording original pixel data present in the locations before the digital image adjustment; and
 - 6 c) storing the locations and the original pixel data from the locations in an informational portion of a file comprising the adjusted digital image.
2. The method of claim 1, further comprising the steps of:
 - 2 a) retrieving, from the file, the adjusted digital image;
 - 4 b) retrieving, from the file, the locations of pixels modified by the digital image adjustment;
 - 6 c) retrieving, from the file, the original pixel data present in the locations before the digital image adjustment; and
 - 8 d) placing the original pixel data into the locations in the adjusted digital image.
3. The method of claim 1, performed in a digital camera.
4. The method of claim 2, performed in a digital camera.
5. The method of claim 1, performed in a scanner system.
6. The method of claim 2, performed in a scanner system.
7. The method of claim 1, wherein the informational portion of the file is a comment segment of a JPEG file.

8. The method of claim 1 wherein the informational portion of the file is tag data in a
2 TIFF file.
9. The method of claim 1 wherein the informational portion of the file is an APP
2 segment in a JPEG file.
10. The method of claim 2 wherein the two recording steps and the storing step are
2 performed in a digital camera, and wherein the three retrieving steps and the
placing step are performed in a device other than the digital camera.
11. The method of claim 10 wherein the device other than the digital camera is a
2 computer.
12. The method of claim 1, wherein fewer than all of the pixels in the digital image
2 have been modified by the digital image adjustment.
13. The method of claim 12, where fewer than 5 percent of the pixels in the digital
2 image have been modified by the digital image adjustment.
14. The method of claim 1, wherein the digital image adjustment is redeye removal.
15. The method of claim 1, wherein the digital image adjustment is the removal of
2 dispersed high-frequency content.
16. The method of claim 1, wherein the digital image adjustment is the removal of a
2 date/time imprint.
17. The method of claim 1, wherein the digital image adjustment is performed
2 automatically by a digital imaging system.

18. A digital camera that performs the method of claim 1.

19. A digital camera that performs the method of claim 2.

20. A scanner system that performs the method of claim 1.

21. A scanner system that performs the method of claim 2.

22. A digital camera, comprising:

2 a) means for producing a digital image;
4 b) memory that stores the digital image; and
6 c) logic that performs an adjustment on the digital image, the adjustment
8 modifying pixel data in the digital image;
and wherein the logic records the locations and original content of pixels
modified by the adjustment, and stores, in the memory, the locations and
original content in an informational portion of a digital image file comprising
the adjusted digital image.

23. The camera of claim 22 wherein the logic further retrieves the original content of
2 pixels modified by the adjustment from the informational portion of the digital
image file, and replaces the original pixel content into the corresponding locations
4 in the modified digital image, thereby restoring the digital image to its unadjusted
state.

24. The camera of claim 23, further comprising a user control that allows a user of the
2 digital camera to instigate the restoration of the digital image to its unadjusted
state.